DPM1622 MN1 (7 / 1)

MN1.S01

MN1.S02

MN1.S03

MN1.S04

MN1.S05

MN1.S06

TO PU1

CN1 — CON14

1	CH13
2	CH14
3	GND
4	CH15
5	CH16
6	GND
7	GND
8	+VCC
9	-VCC
10	GND
11	GND
12	GND
13	FOOT-SW1
14	FOOT-SW2

CN4 — CON40

40	AUXRTN1-L
39	AUXRTN1-R
38	GND
37	AUXRTN2-L
36	AUXRTN2-R
35	GND
34	2TK IN-L
33	2TK IN-R
32	GND
31	AUXSEND1
30	AUXSEND2
29	AUXSEND3
28	AUXSEND4
27	GND
26	GND
25	GND
24	GND
23	GND
22	GND
21	PHONE-L
20	GND
19	GND
18	PHONE-R
17	GND
16	GND
15	GND
14	GND
13	GND
12	GND
11	GND
10	GND
9	MONO
8	GND
7	MAIN MIX-L
6	GND
5	MAIN MIX-R
4	GND
3	GND
2	GND
1	GND

HA02942

TO MN2

CN2 — 2.0 8P

1	+VCC
2	-VCC
3	AUX GND
4	AUX GND
5	AUX1 (AUX1)
6	AUX2 (AUX2)
7	AUX3 (AUX3)
8	AUX4 (AUX4)

CN3 — 2.0 8P

1	RIGHT-BUS (RIGHT-BUS)
2	LEFT-BUS (LEFT-BUS)
3	PFL-L (PFL-L)
4	PFL-R (PFL-R)
5	GND
6	
7	+VCC
8	-VCC

TO POWER

CN5 — CN2.5-8P-180

1	DGND
2	VDD
3	+VCC
4	GND
5	-VCC
6	GND
7	GND
8	+48V

CN15 — CN2.5-8P-180

1	GND
2	
3	+VCC
4	GND
5	-VCC
6	GND
7	GND
8	+48V

MEMO

THE T.MIX DPM1122

1> R322,R323,R324,R325,R326,R327,R328,R329,R330,R331,R332,R333,R334,R335,R384,R385-------> N.C.

2> LD13,LD14,LD15,LD16,LD17,LD18,LD19 ----->N.C.

TOPP PRO DPM1622CFX

1> R322,R323,R324,R325,R326,R327,R328,R329,R330,R331,R332,R333,R334,R335--------->100R 0603

2> R384--------->1.5K 0805

3> R385--------->12K 0805

4> LD13,LD14,LD15,LD16,LD17,LD18,LD19 ----->LED RED

TOPP PRO DPM1622FX

1> R322,R323,R324,R325,R326,R327,R328,R329,R330,R331,R332,R333,R334,R335--------->100R 0603

2> R384--------->1.5K 0805

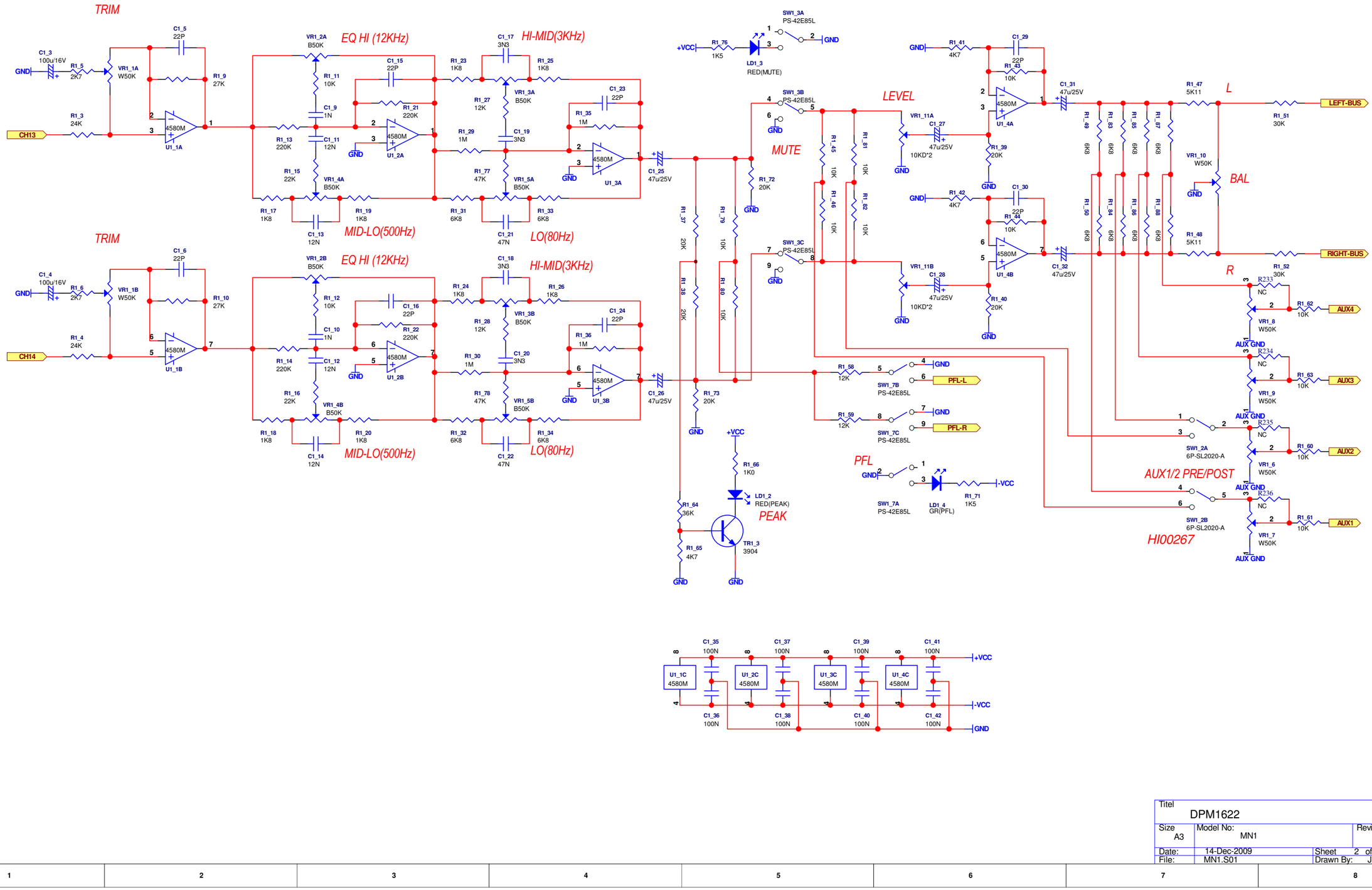
3> R385--------->12K 0805

4> LD13,LD14,LD15,LD16,LD17,LD18,LD19 ----->LED RED

5> bypass compressor circuit

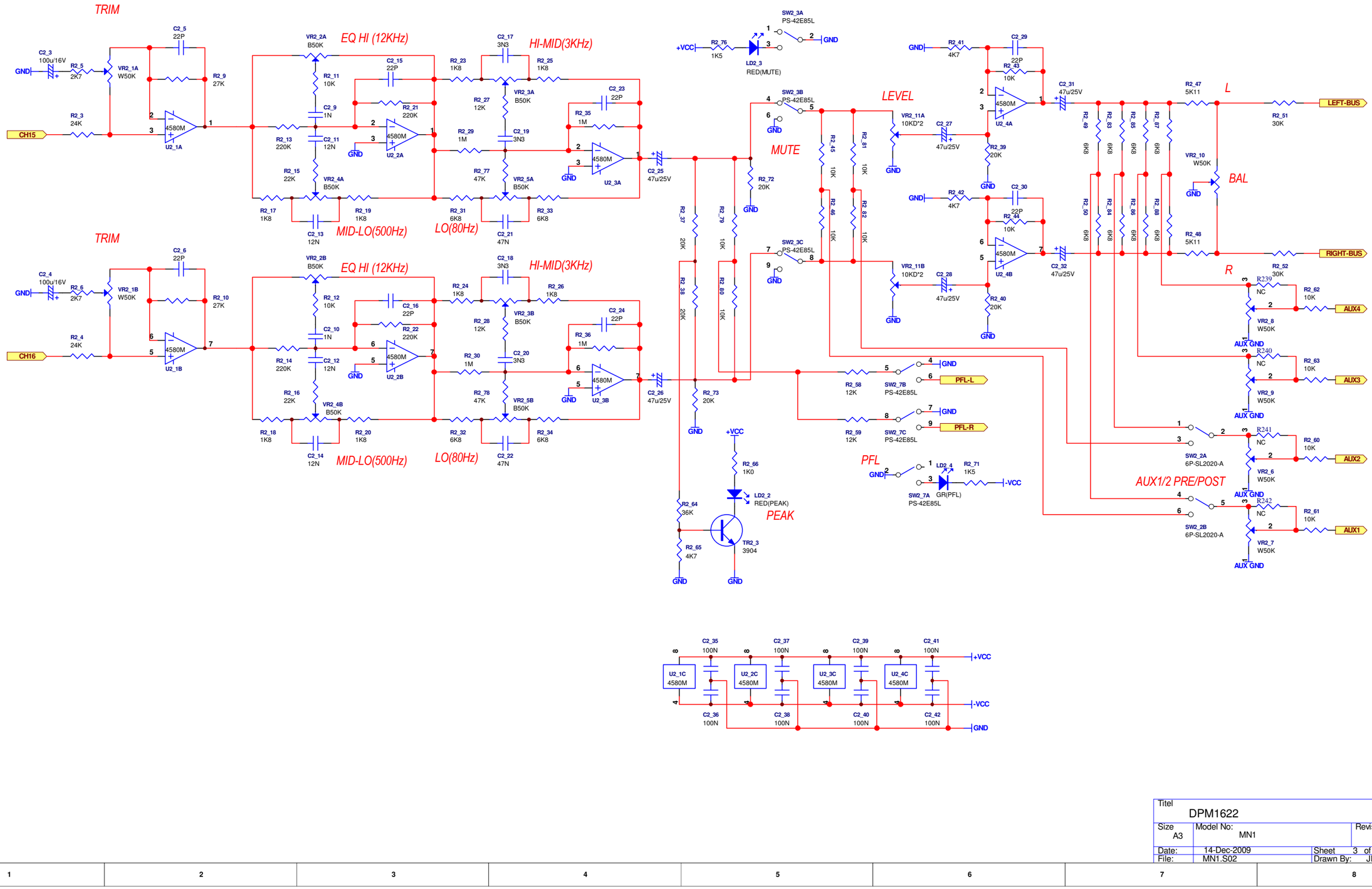
Titel	DPM1622		
Size A3	Model No: MN1		Revision VER090619
Date: 14-Dec-2009		Sheet 1 of 7	
File: MN1.Sch		Drawn By: JIFEI HUANG	

DPM1622 MN1 (7 / 2)



Titel	DPM1622		
Size A3	Model No: MN1		Revision VER090619
Date: 14-Dec-2009		Sheet 2 of 7	
File: MN1.S01		Drawn By: JIFEI HUANG	

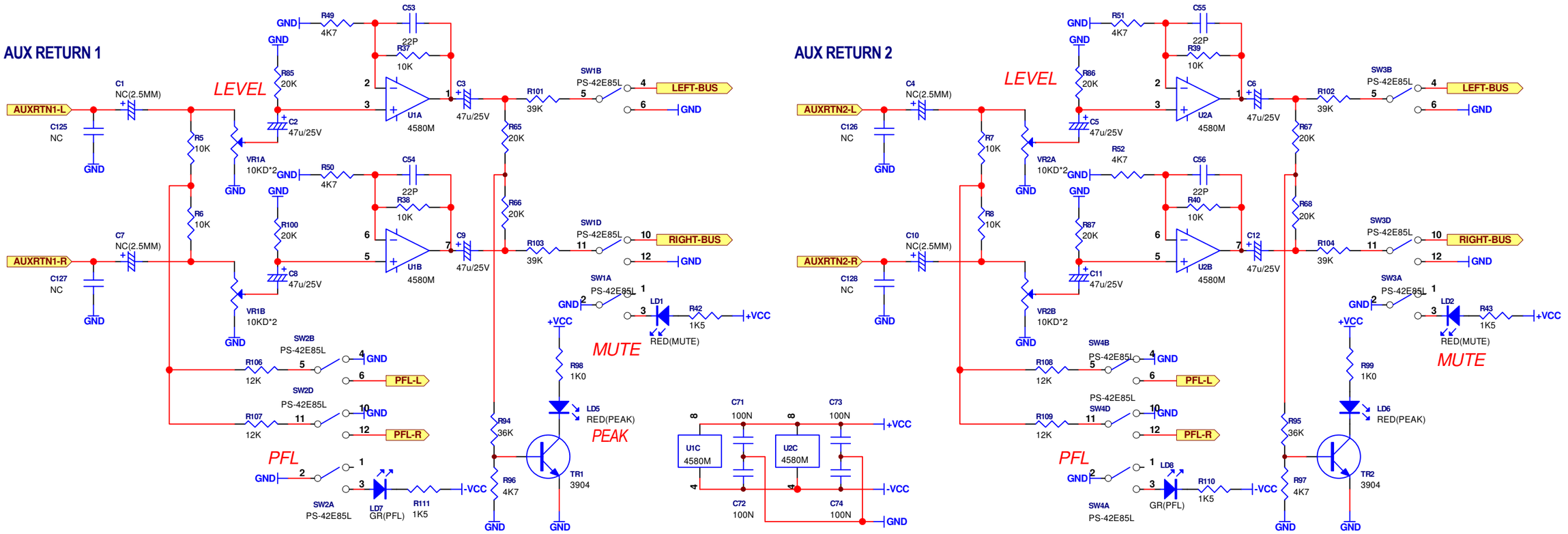
DPM1622 MN1 (7 / 3)



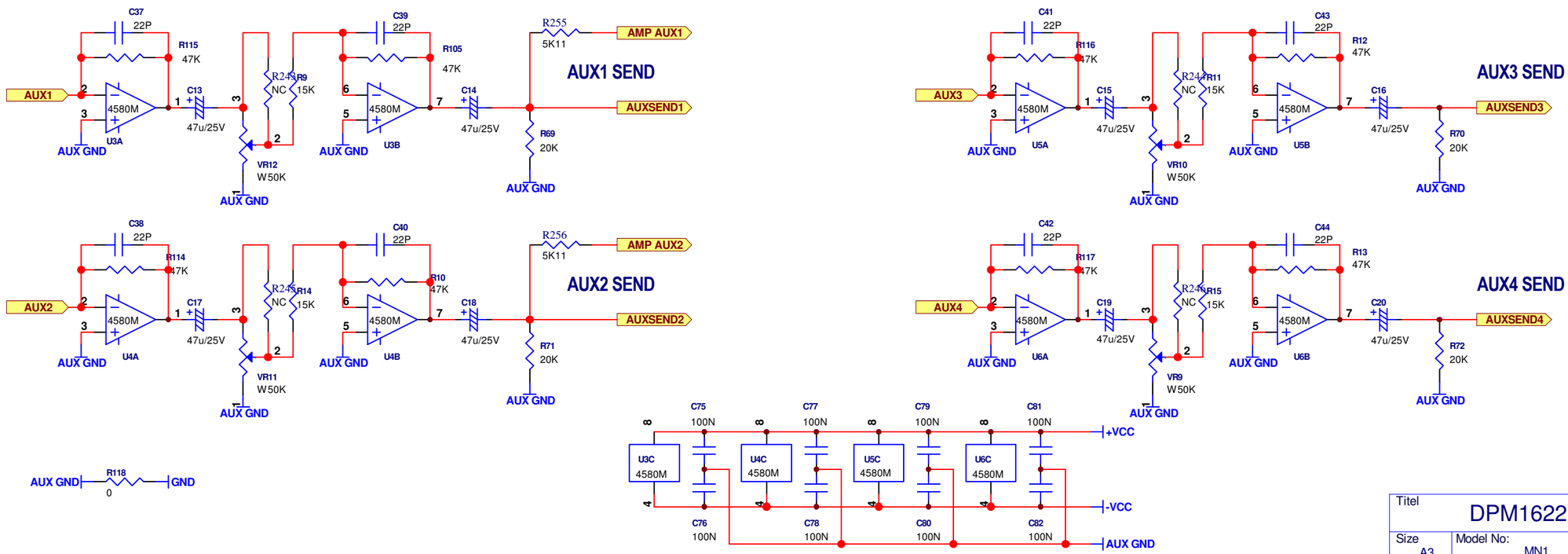
Titel	DPM1622
Size: A3	Model No: MN1
Revision	VER090619
Date:	14-Dec-2009
Sheet	3 of 7
File:	MN1.S02
Drawn By:	JIFEI HUANG

DPM1622 MN1 (7 / 4)

AUX RETURNS

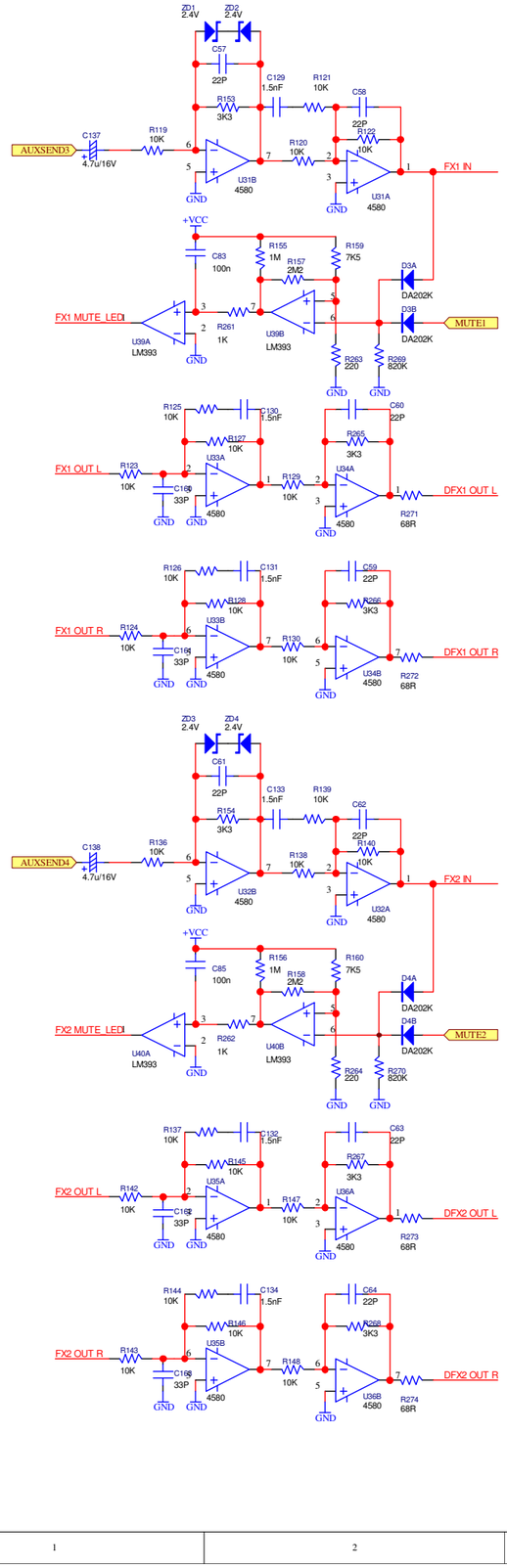


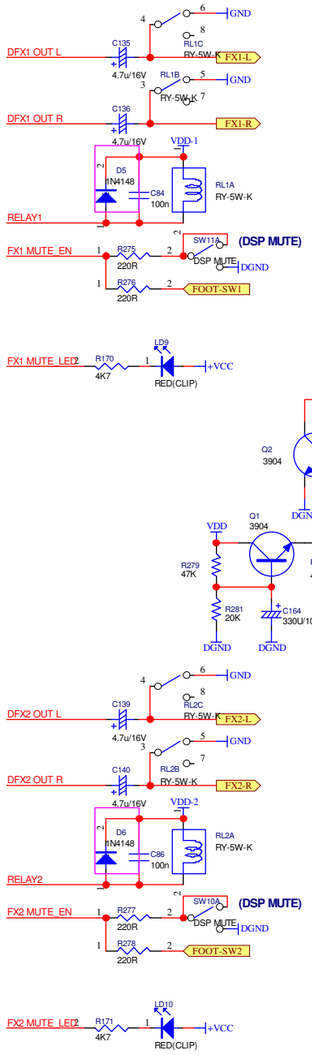
AUX SENDS

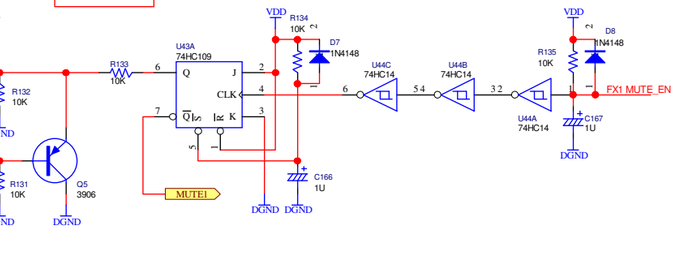


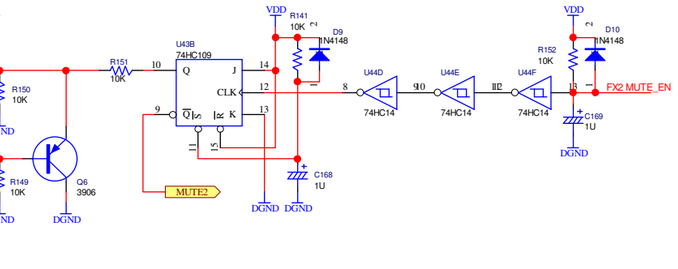
Titel	DPM1622		
Size A3	Model No: MN1		Revision VER090619
Date: 14-Dec-2009		Sheet 4 of 7	
File: MN1.S03		Drawn By: JIFEI HUANG	

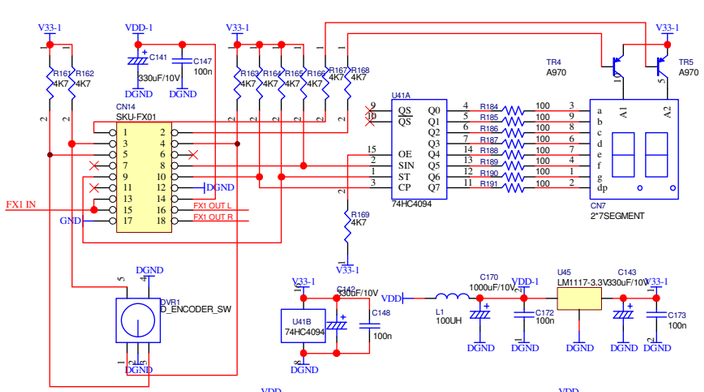
DPM1622 MN1 (7 / 5)

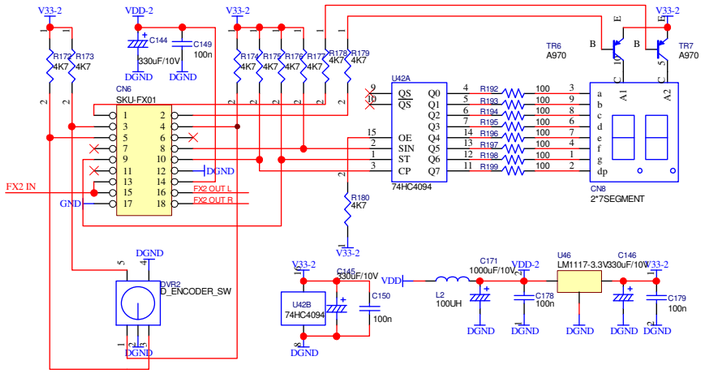


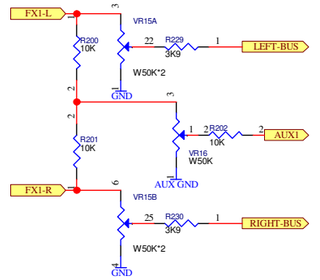


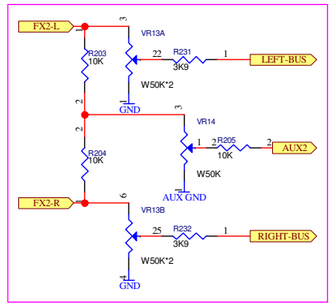


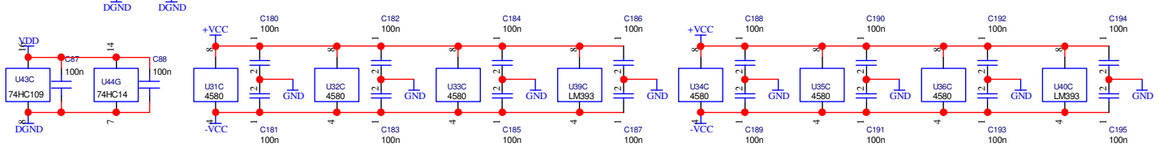












Titel	DPM1622		
Size A2	Model No: MN1		Revision VER090619
Date: 14-Dec-2009		Sheet 5 of 7	
File: MN1.S04		Drawn By: JIFEI HUANG	

DPM1622 MN1 (7 / 6)

7B-EQ ON/OFF

7B-EQ ON/OFF

-40dB~+20dB
THERSHOLD

THERSHOLD

COMP./ LIM. (RATIO)

2:1===>N:1

50Hz FREQUENCY BAND

160Hz FREQUENCY BAND

400Hz FREQUENCY BAND

1KHz FREQUENCY BAND

2.5KHz FREQUENCY BAND

6.3KHz FREQUENCY BAND

16KHz FREQUENCY BAND

50Hz

160Hz

400Hz

1KHz

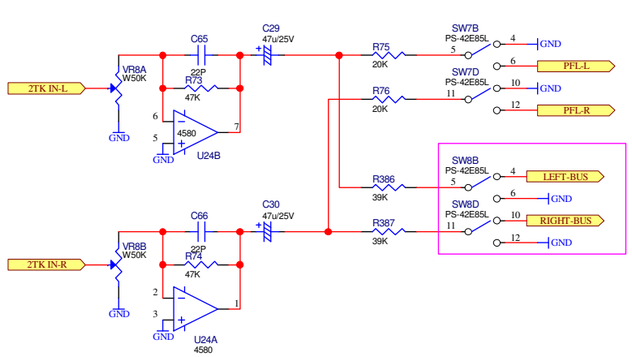
2.5KHz

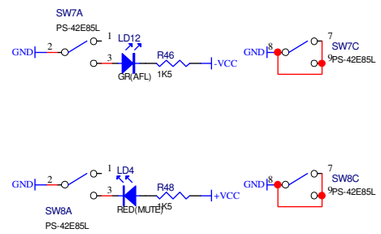
6.3KHz

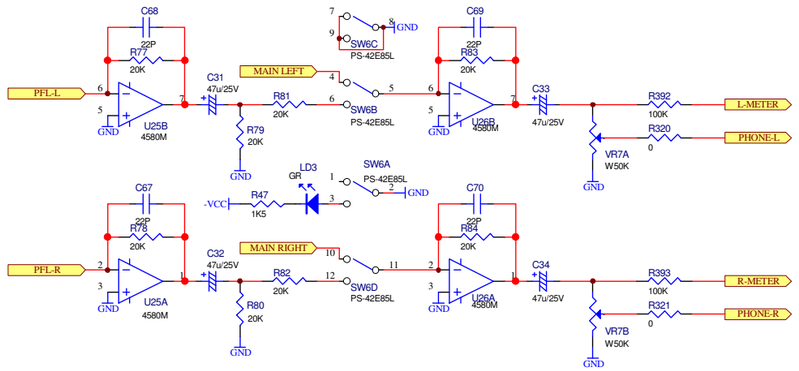
16KHz

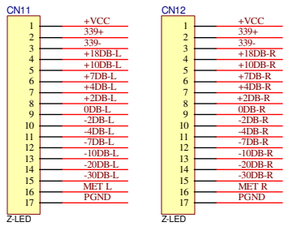
Titel	DPM1622		
Size A2	Model No: MN1		Revision VER090619
Date:	14-Dec-2009	Sheet	6 of 7
File:	MN1.S05	Drawn By:	HUANGJIFEI

DPM1622 MN1 (7 / 7)

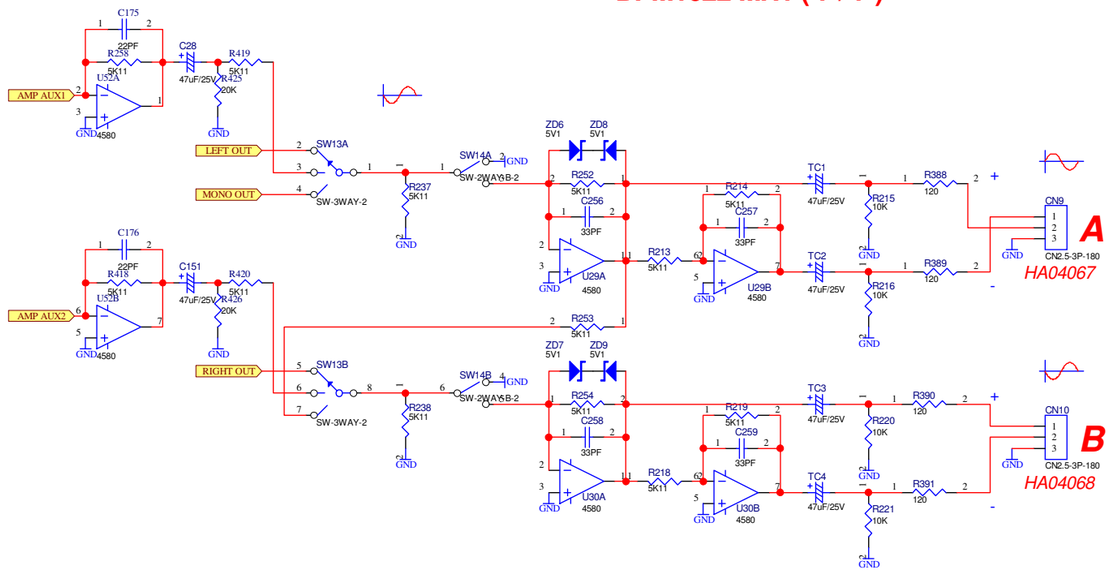


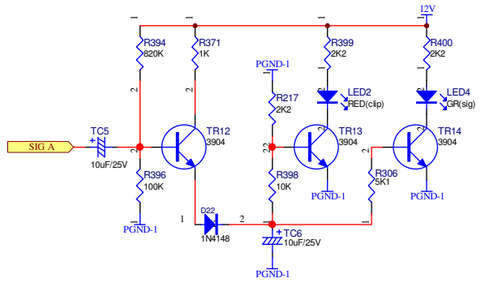


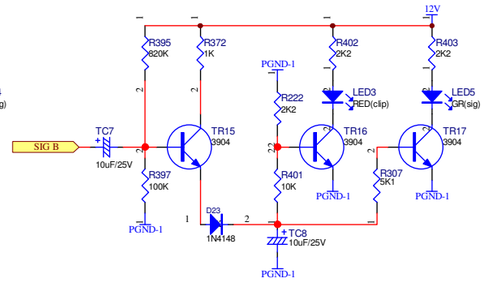


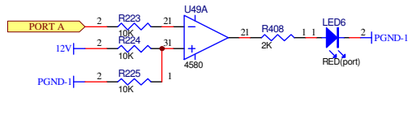


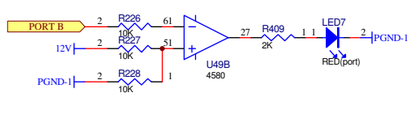
HK04376

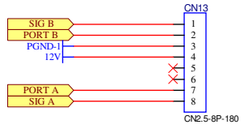












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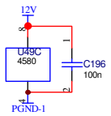
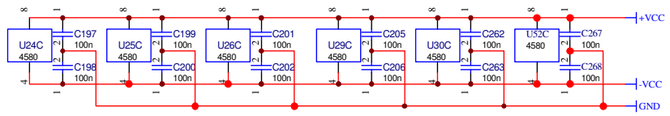
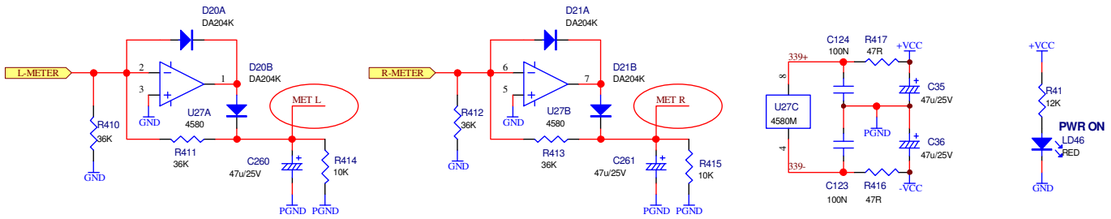






Titel	DPM1622		
Size A2	Model No: MN1		Revision VER090619
Date: 14-Dec-2009		Sheet 7 of 7	
File: MN1.S06		Drawn By: JIFEI HUANG	

DPM1622 MN2 (1 / 5)

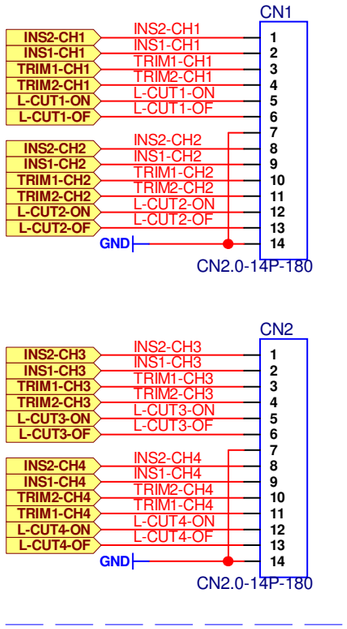
MN2.Sch
MN2.S01

MN2.Sch
MN2.S02

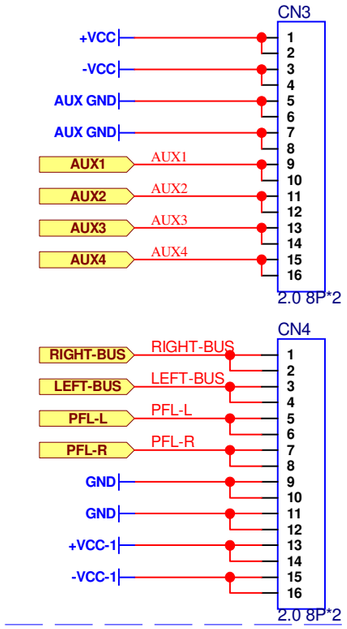
MN2.Sch
MN2.S03

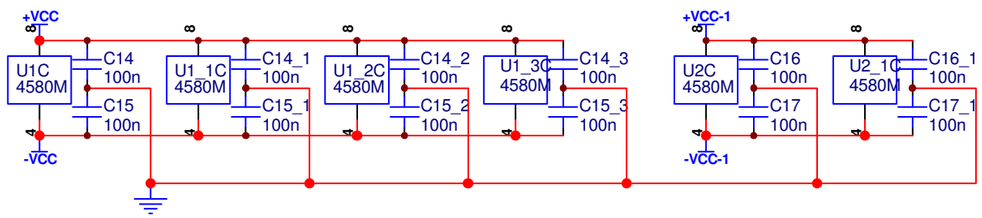
MN2.Sch
MN2.S04

FROM PU2



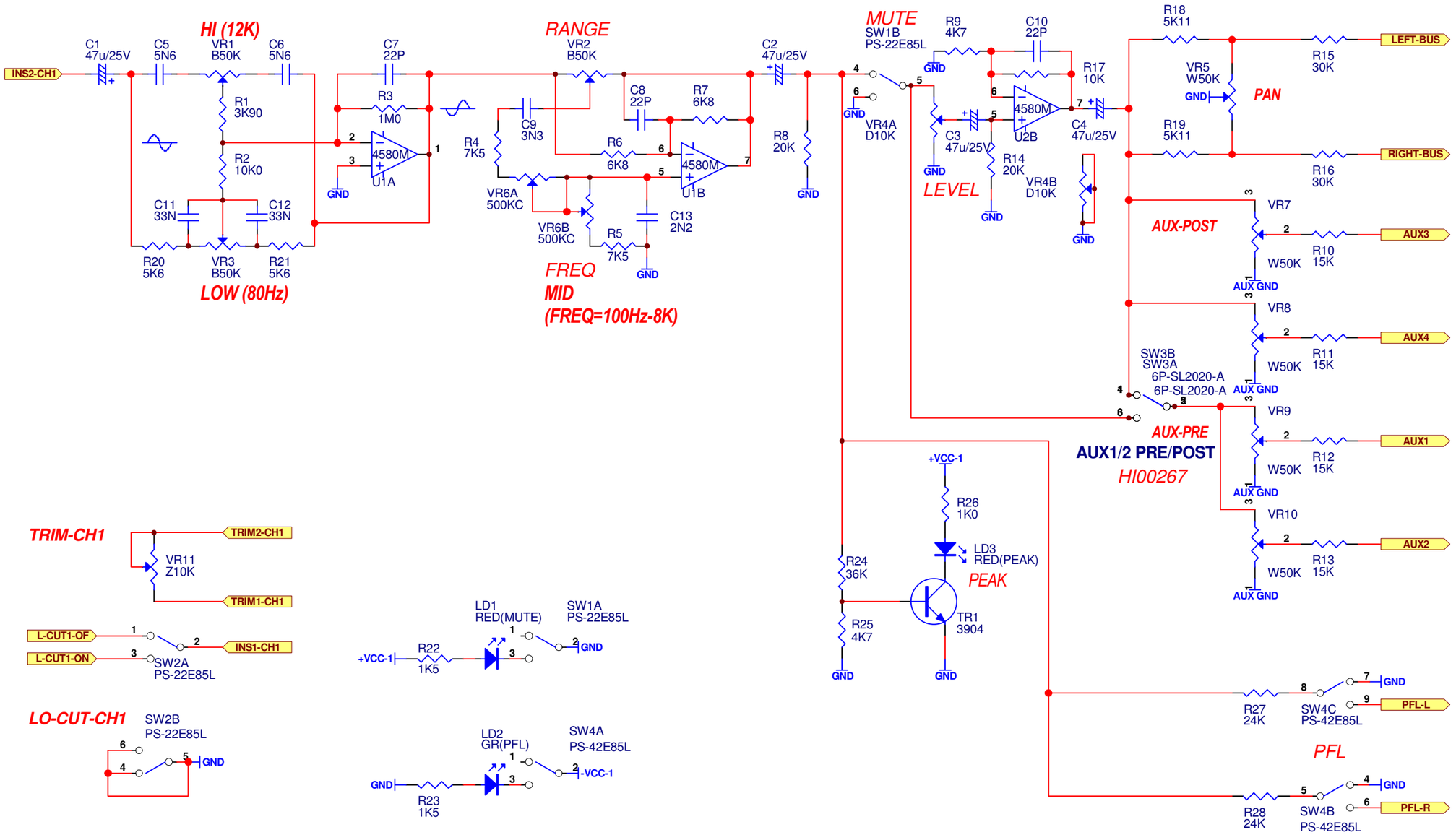
FROM MN1





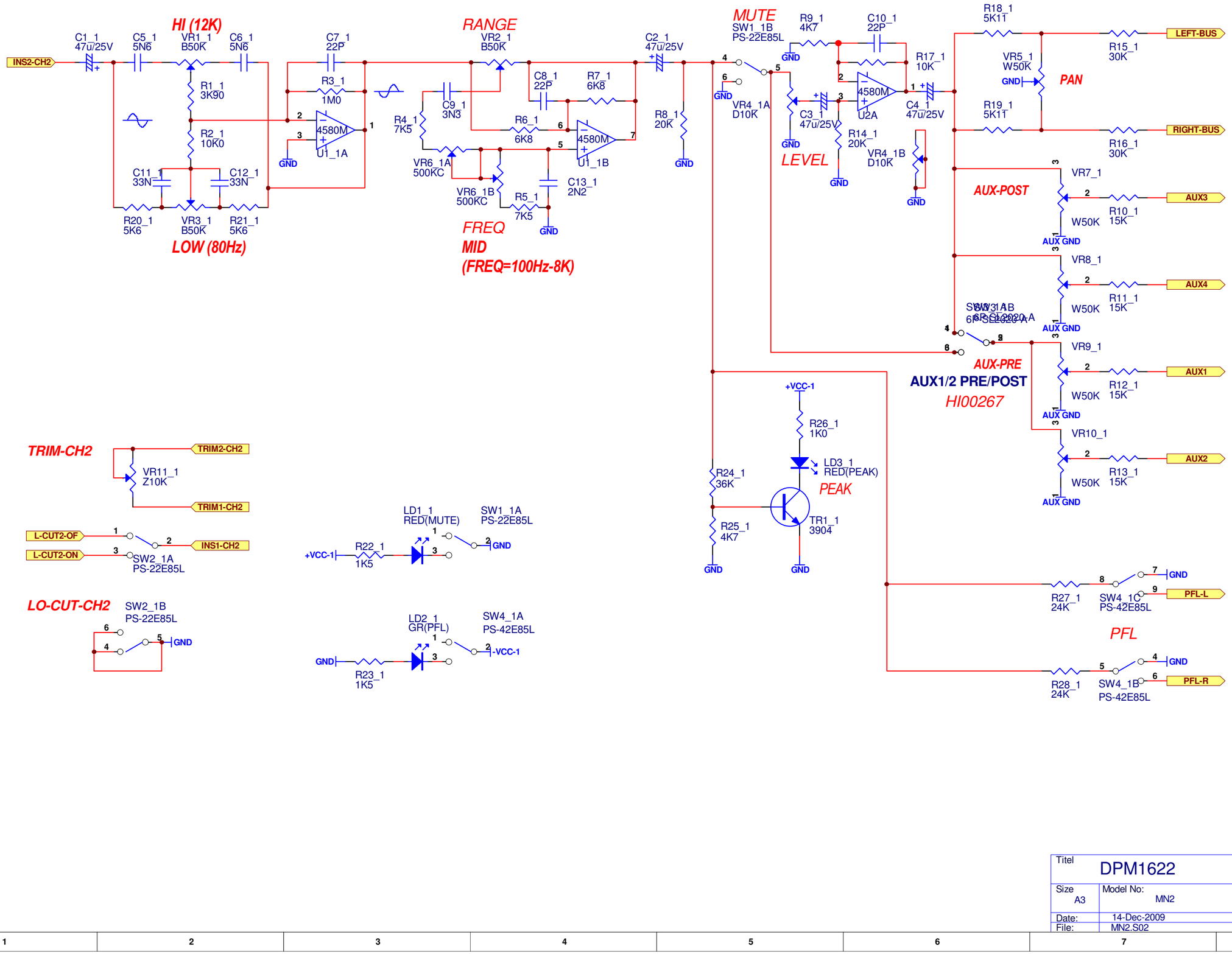
Titel	DPM1622		
Size A3	Model No: MN2		Revision VER090619
Date: 14-Dec-2009		Sheet 1 of 5	
File: MN2.Sch		Drawn By: JIFEI HUANG	

DPM1622 MN2 (2 / 5)



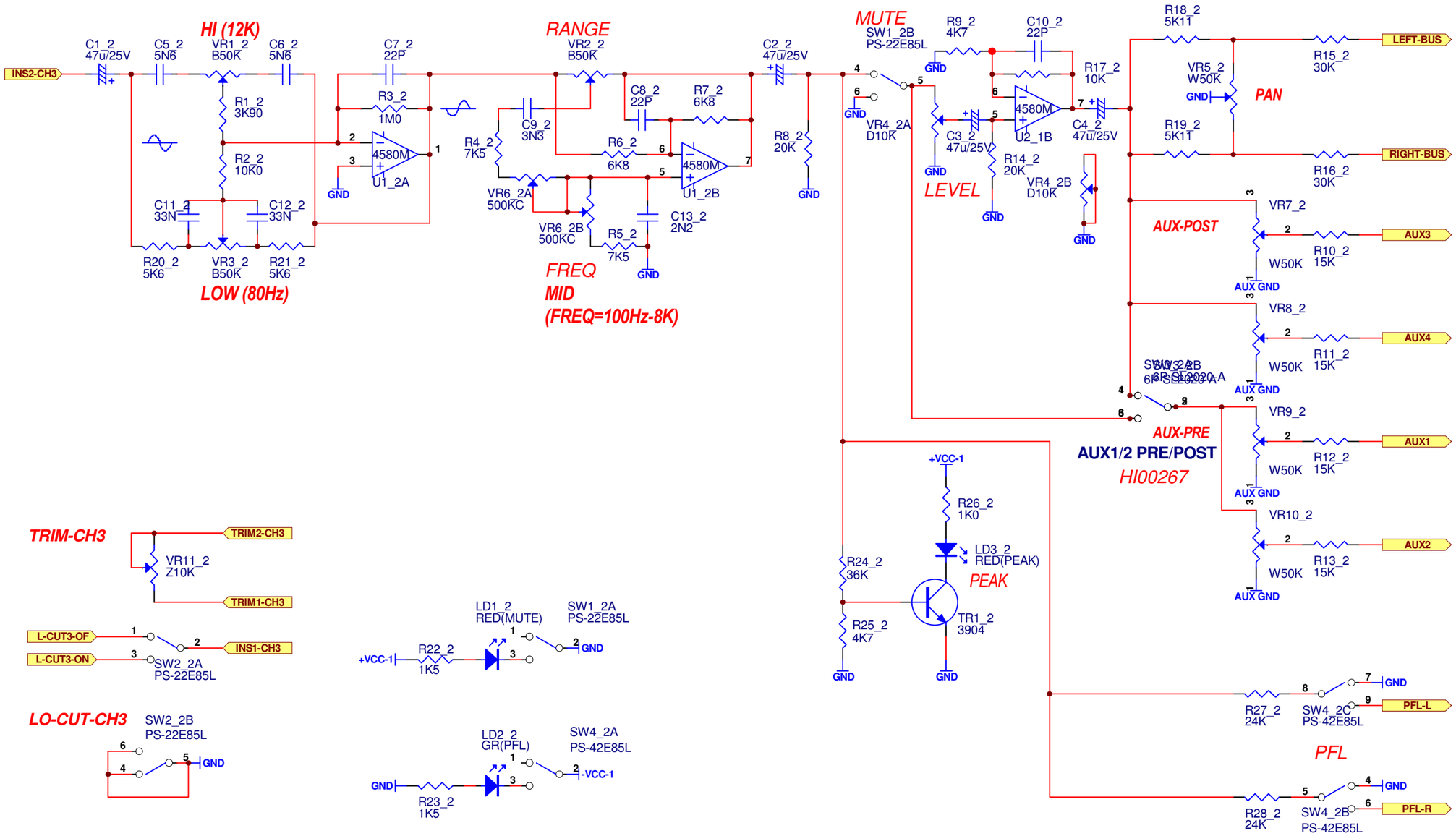
Titel	DPM1622		
Size A3	Model No: MN2		Revision VER090619
Date: 14-Dec-2009		Sheet 2 of 5	
File: MN2.S01		Drawn By: JIFEI HUANG	

DPM1622 MN2 (3 / 5)



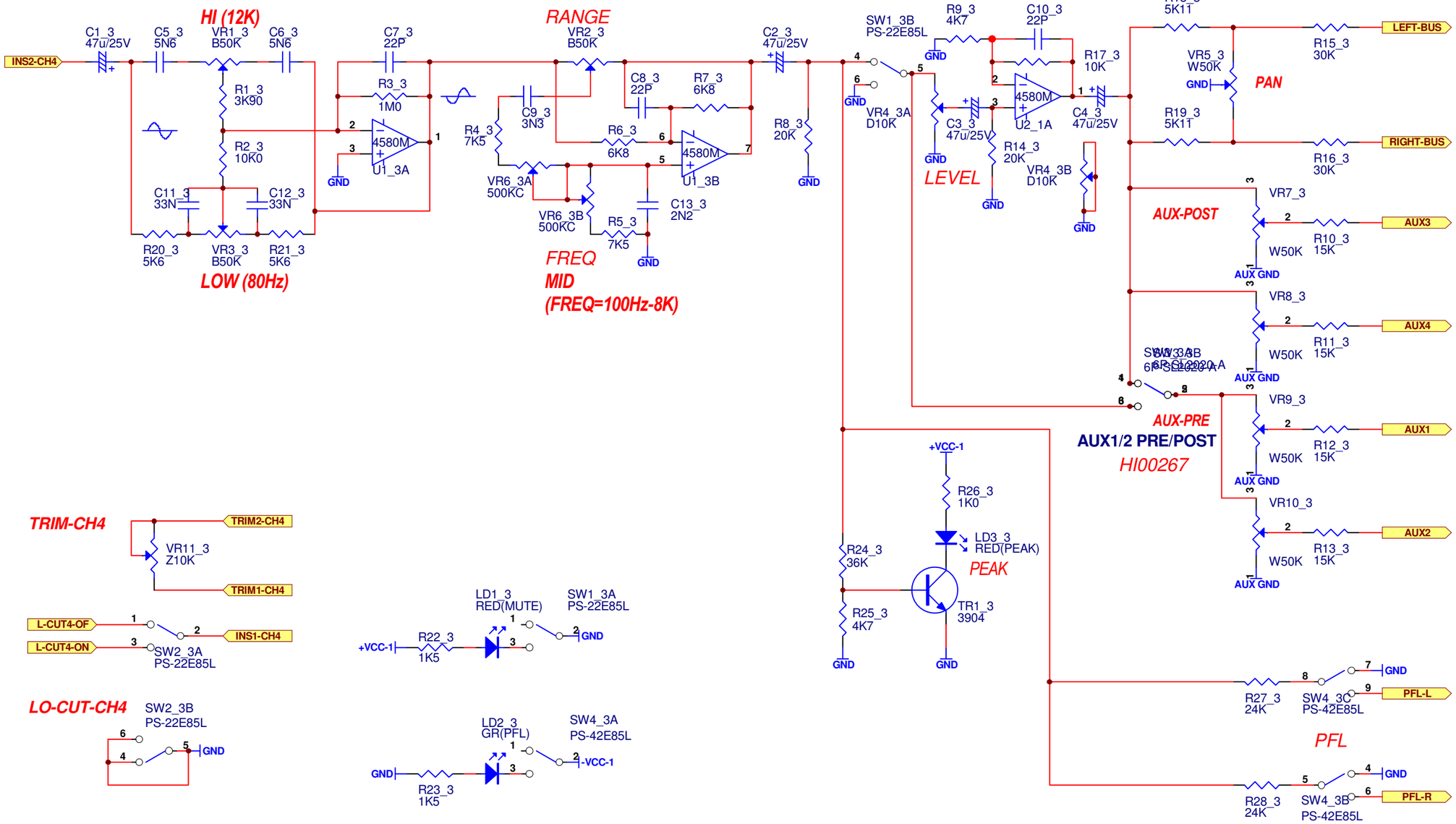
Titel	DPM1622	
Size: A3	Model No: MN2	Revision: VER090619
Date: 14-Dec-2009		Sheet 3 of 5
File: MN2.S02		Drawn By: JIFEI HUANG

DPM1622 MN2 (4 / 5)



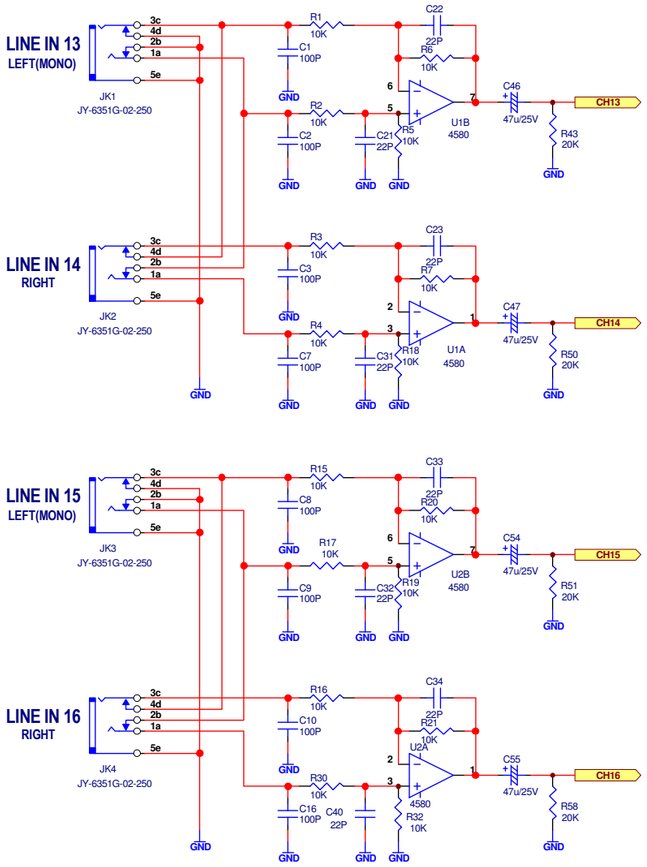
Titel	DPM1622		
Size A3	Model No: MN2		Revision VER090619
Date: 14-Dec-2009		Sheet 4 of 5	
File: MN2.S03		Drawn By: JIFEI HUANG	

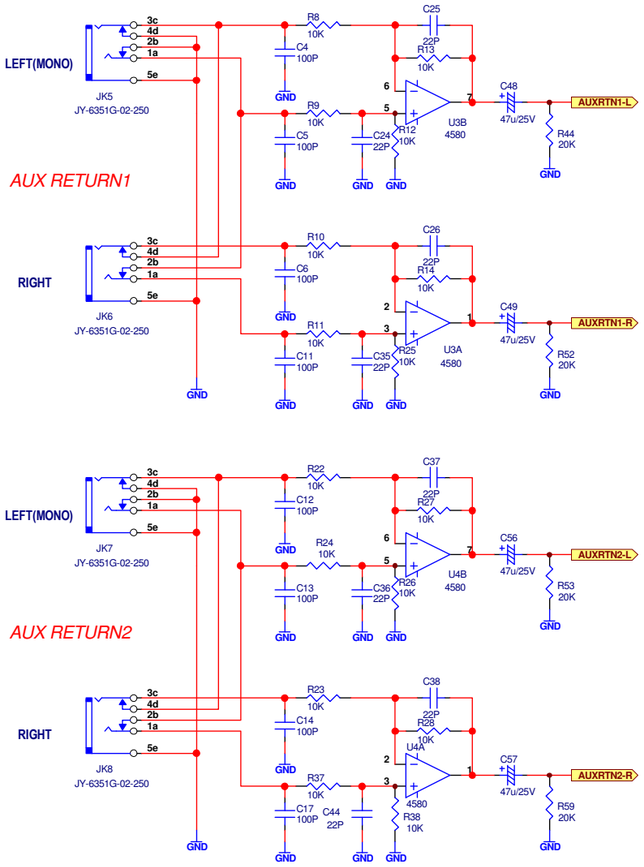
DPM1622 MN2 (5 / 5)

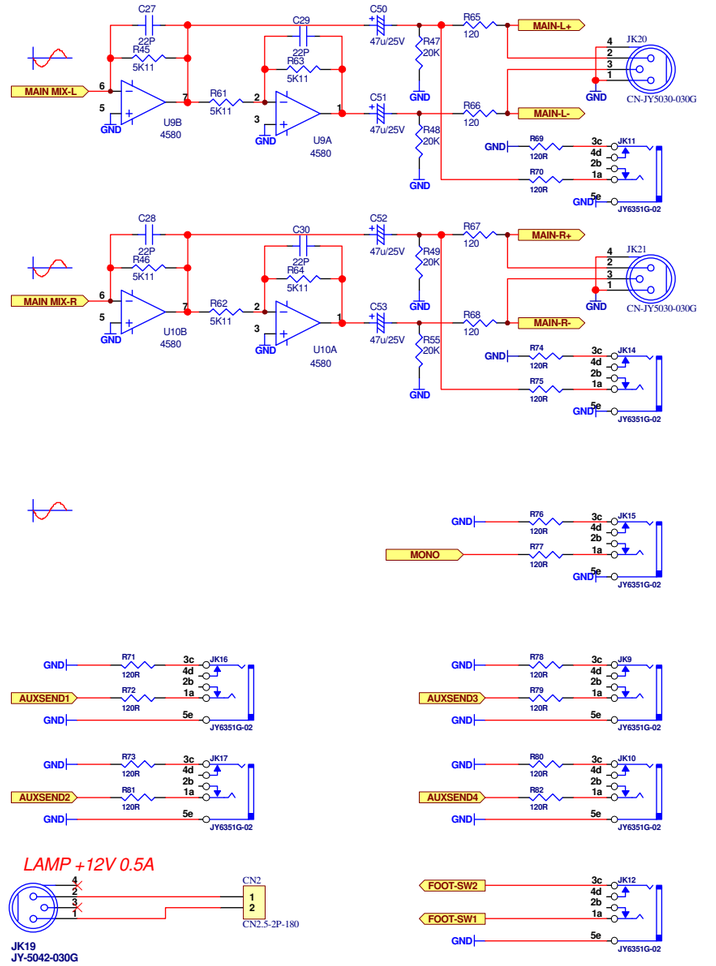


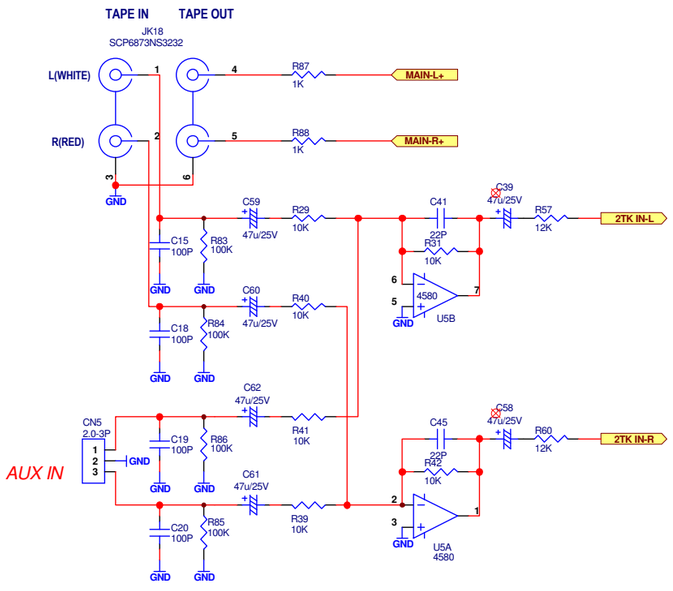
Titel	DPM1622		
Size A3	Model No: MN2		Revision VER090619
Date: 14-Dec-2009		Sheet 5 of 5	
File: MN2.S04		Drawn By: JIFEI HUANG	

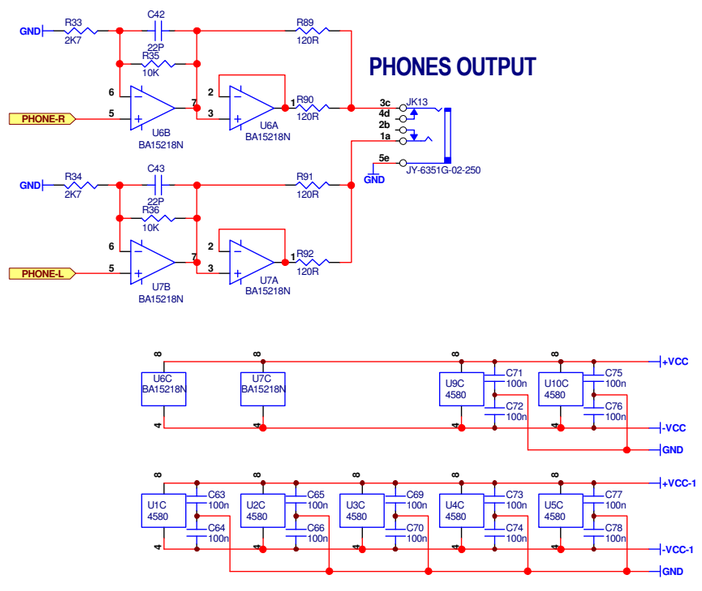
DPM1622 PU1 (1 / 1)

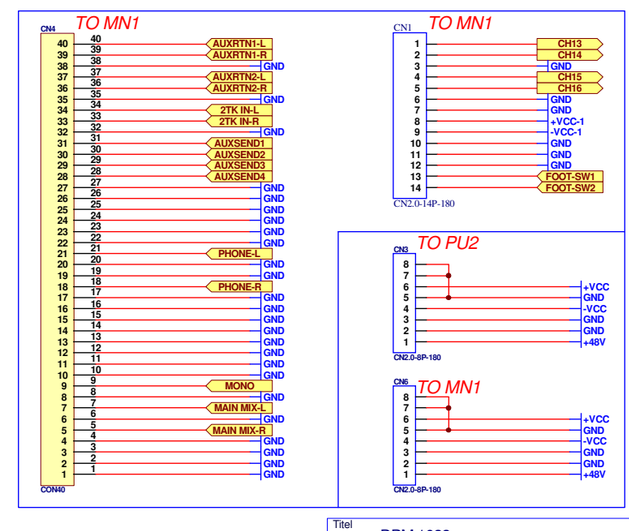






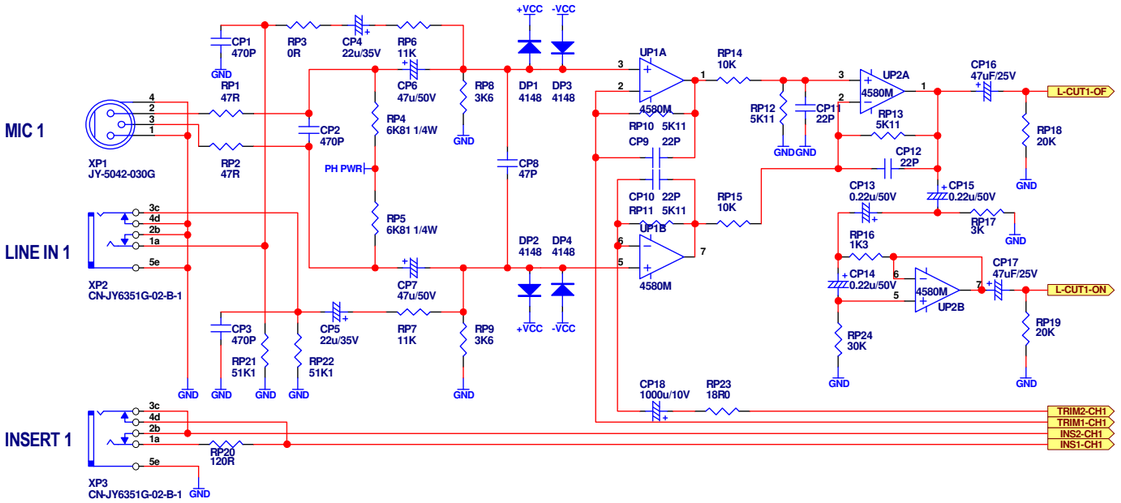


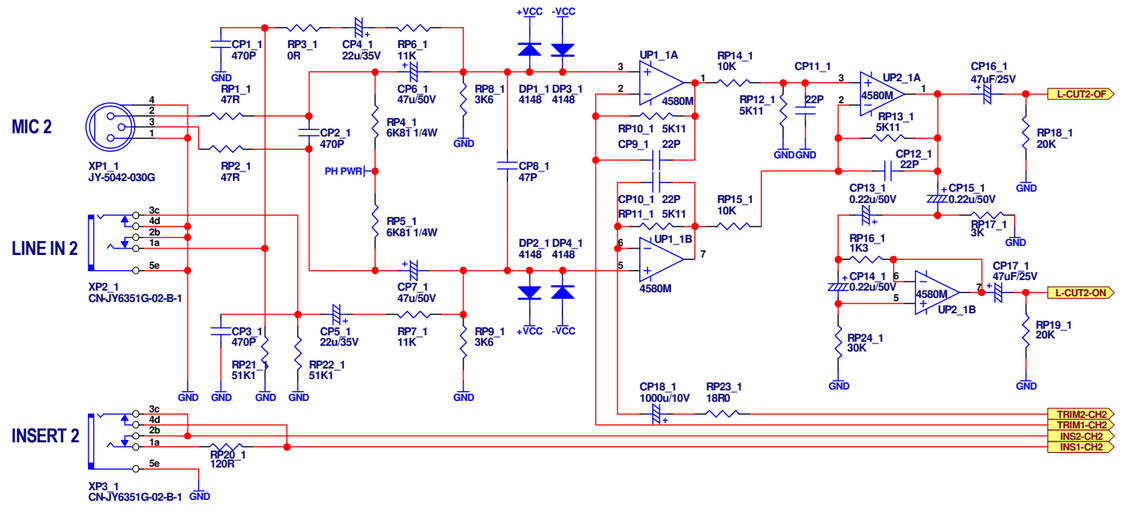


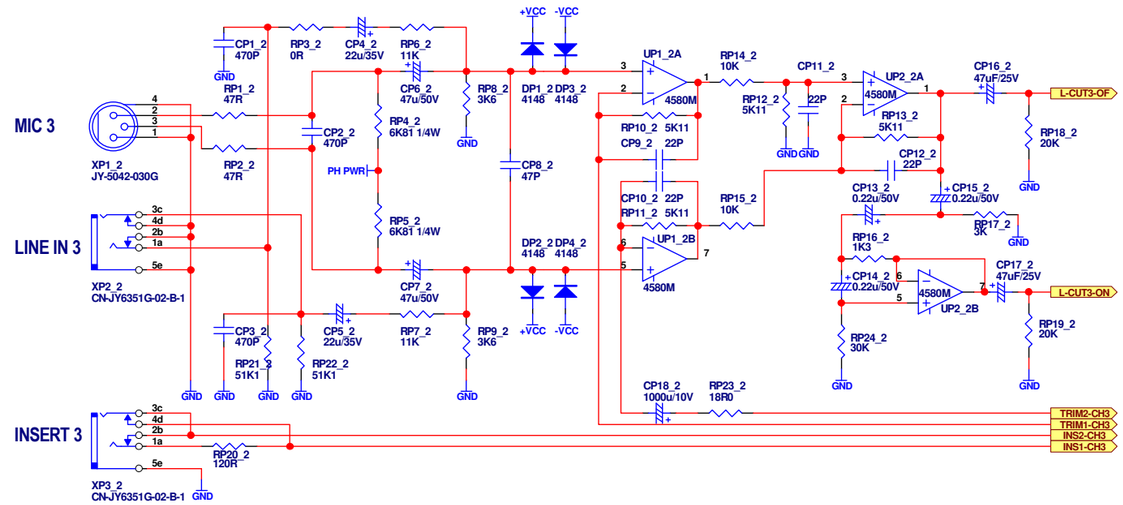


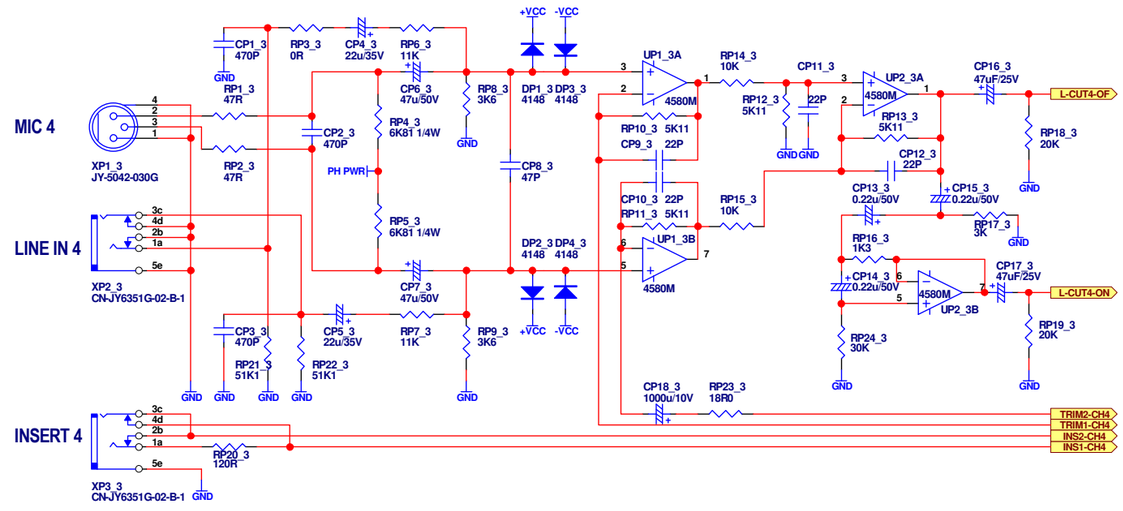
Titel	DPM 1622
Size: A3	Model No: PU1 — Revision: VER090529
Date: 14-Dec-2009	Sheet 1 of 1
File: PU1.SCH	Drawn By: JIFEI HUANG

DPM1622 PU2 (1 / 1)









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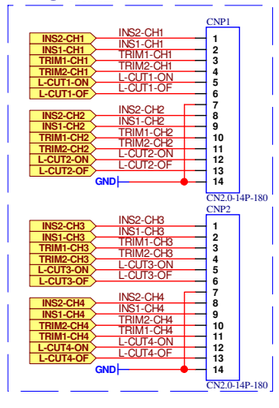

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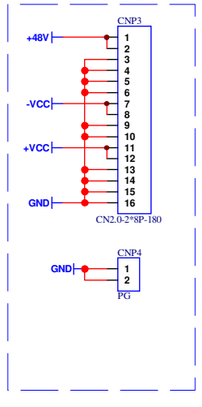

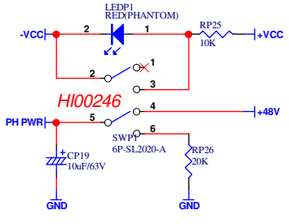

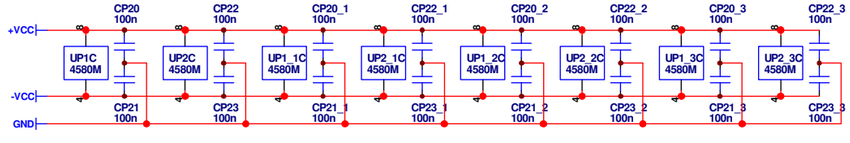

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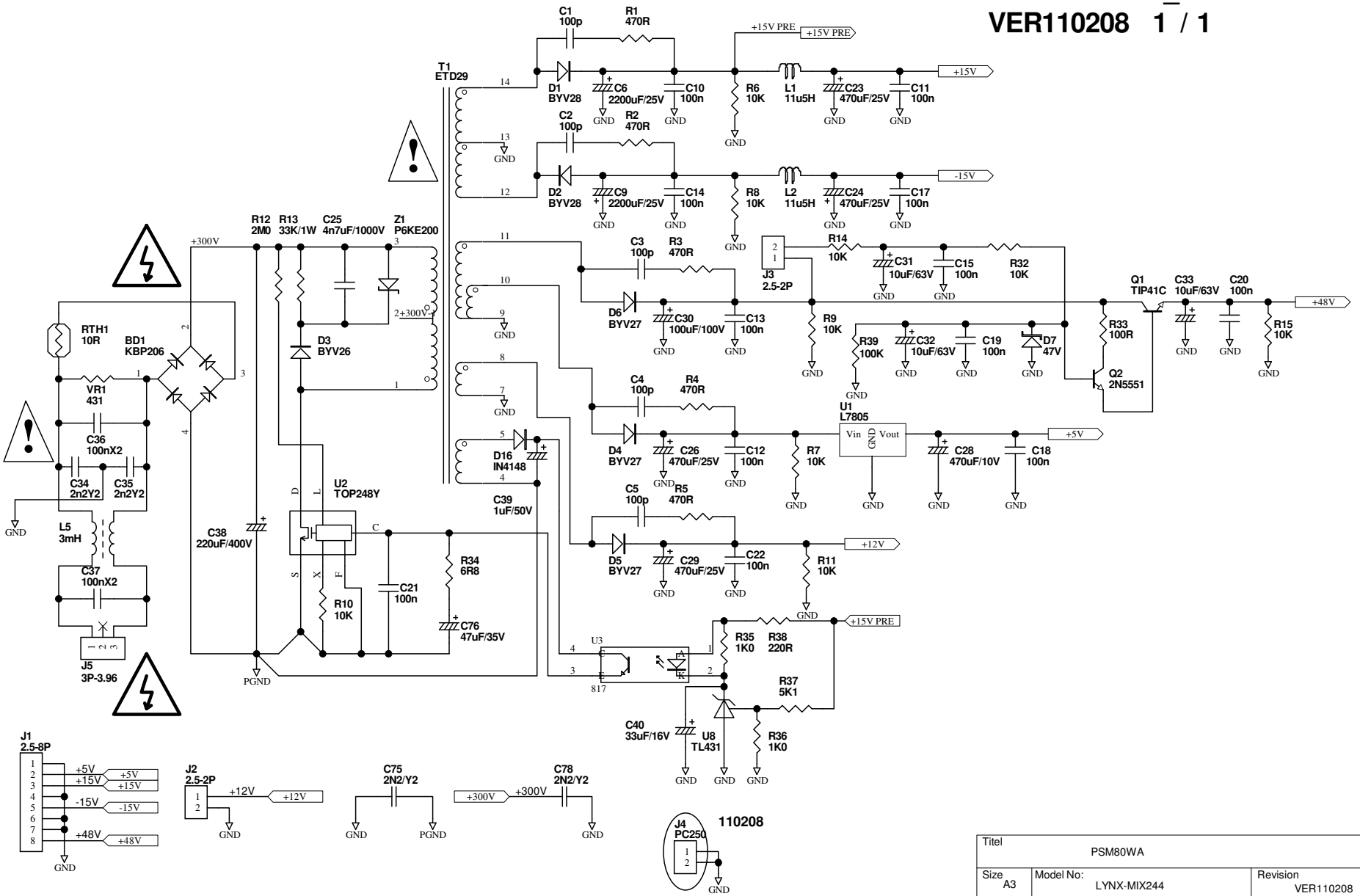
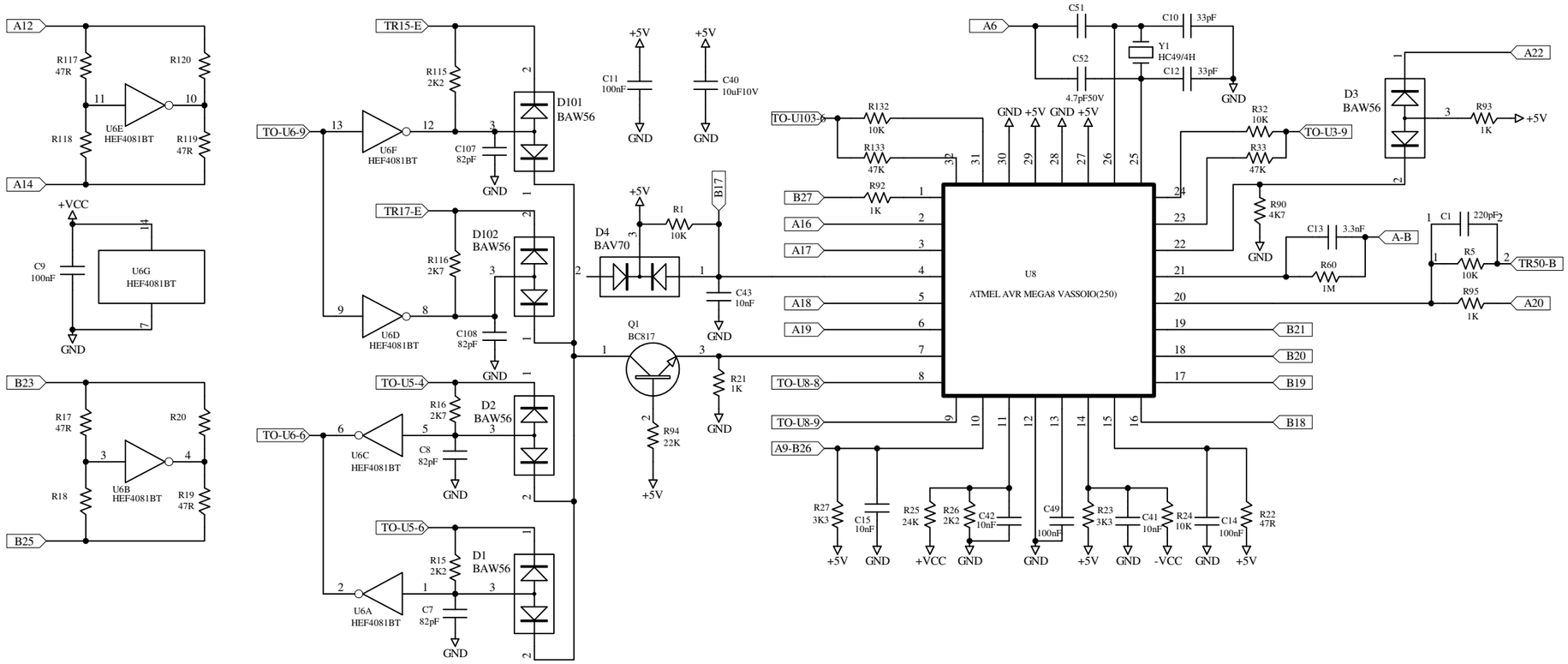
Size: A2	Model No: PU2		Revision: VER090619
Date: 14-Dec-2009		Sheet 1 of 1	
File: PU2.Sch		Drawn By: JIFEI HUANG	

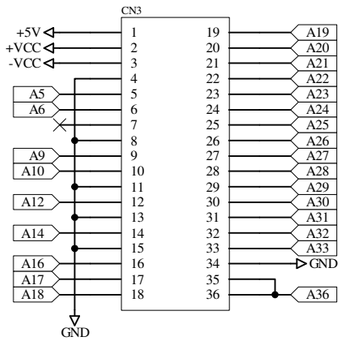
LYNX-MIX244 _ PSM80WA
VER110208 1 / 1



Titel	PSM80WA		
Size A3	Model No: LYNX-MIX244		Revision VER110208
Date: 5-Dec-2011		Sheet 1 of 1	
File: PSM80WA_VER110221.SCH		Drawn By: JINBO YUAN	

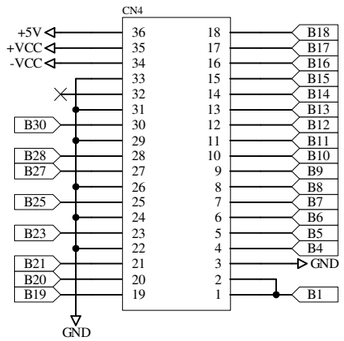
CN1
2P PH7.5mm
R10
热敏电阻2.5Ω B57237S259M
C1
220PF/50V C0G ±5%
T1
2.3mH/4A
T2
2.3mH/4A
C7
0.0047uF/250V
C6
0.0047uF/250V
R1
240KΩ±5% VR37
C137
0.1uF/275V±20%
C8
0.0047uF/250V
C9
0.0047uF/250V
F1
4A 250V
D1
8A GBU-8K
AC1
AC2
V+
V-
CN2
2P PH7.5mm
MID
RV1
突波吸收器S20 K300
R51
100KΩ ±1%
R84
100KΩ ±1%
R52
100KΩ ±1%
R85
100KΩ ±1%
TP1
TP2
C24
390uF/100V
C26
390uF/100V
C28
390uF/100V
C25
390uF/100V
C27
390uF/100V
C29
390uF/100V
VCC
MID
VEE
R27
330Ω± 1%
R26
330Ω± 1%
R25
1.00KΩ ±1%
TP3
TP13
U3
HCPL-0611
U7
TC4423EPA
NC
IN A OUT A
GND VDD
IN B OUT B
C31
0.1uF/50V
D14
1/2W 5.1V
C37
1.0uF/16V
D18
0.45A/85V
C55
1.0uF/16V
T8D
4*0.47mH
D22
1A/400V US1G
R58
4.70Ω± 1%
VCC1
C59
0.1uF/100V
Q3
IRFP260NPBF
Q4
IRFP260NPBF
R49
1.00KΩ ±1%
SM1
P-DGMFILT14
R47
10.0KΩ ±1%
C64
0.33uF/160V±5%
C67
1.0uF/250V ±5%
C63
0.33uF/160V±5%
R73
4.7Ω 5%
L1
1.90uH+2.30uH
R69
0.1Ω±5% 特殊
R70
0.1Ω±5% 特殊
C99
0.022uF/100V
C60
0.1uF/100V
VEE1
R28
1.00KΩ ±1%
TP12
TP5
U4
U8
R30
330Ω± 1%
R32
330Ω± 1%
D19
0.45A/85V
TP4
T8-3
C56
1.0uF/16V
C33
0.1uF/50V
D15
1/2W 5.1V
C38
1.0uF/16V
D23
1A/400V US1G
R59
4.70Ω± 1%
U15
TC4423EPA
R57
10.0KΩ ±1%
C96
1.0uF/16V
C98
1.0uF/16V
C135
NC
C97
1.0uF/16V
R86
47.0Ω± 1%
D26
0.45A/85V
T8A
4*0.47mH
R34
1.00KΩ ±1%
TP14
U6
HCPL-0611
R35
330Ω± 1%
R36
330Ω± 1%
TP10
U10
TC4423EPA
C39
0.1uF/50V
D17
1/2W 5.1V
C42
1.0uF/16V
D21
0.45A/85V
TP11
C57
1.0uF/16V
T8C
4*0.47mH
D24
1A/400V US1G
R69
4.70Ω± 1%
VCC3
C71
0.1uF/100V
Q5
IRFP260NPBF
Q6
IRFP260NPBF
R50
1.00KΩ ±1%
R48
10.0KΩ ±1%
SM2
P-DGMFILT14
C68
1.0uF/250V ±5%
C65
0.33uF/160V±5%
C66
0.33uF/160V±5%
R79
4.7Ω 5%
L2
1.90uH+2.30uH
R75
0.1Ω±5% 特殊
R76
0.1Ω±5% 特殊
C100
0.022uF/100V
R33
330Ω± 1%
D20
0.45A/85V
R29
1.00KΩ ±1%
TP15
U5
HCPL-0611
R31
330Ω± 1%
TP16
U9
TC4423EPA
C34
0.1uF/50V
D16
1/2W 5.1V
C41
1.0uF/16V
TP17
T8B
4*0.47mH
D25
1A/400V US1G
R61
4.70Ω± 1%
C58
1.0uF/16V
C72
0.1uF/100V
R17
100KΩ ±1%
R18
100KΩ ±1%
R19
100KΩ ±1%
D2
5W 15V
D27
5W 15V
C46
NC
C30
1.0uF/16V
VCC-U1
D29
NC
D30
NC
R90
4.70KΩ ±1%
R91
NC
Q8
NC
VEE
U16-1
U16
CNY17F-2BNC
CN4
3P 2.54mm 180°
U1
IR21565PBF
NC
VCC
VDC
RT
RPH
CT
CPH
VB
HO
VS
LO
CS
SD
COM
C45
1.0uF/16V
TP8
TP9
TP18
TP19
TP7
TP6
TP20
R87
1.5Ω±5%
C136
100PF/50V
R11
12.1KΩ ±1%
C43
470PF/50V
C44
33PF/50V
R20
15.0Ω± 1%
R21
15.0Ω± 1%
D3
1A/400V US1G
Q2
HGTG12N60A4D
Q1
HGTG12N60A4D
R14
100KΩ ±1%
R15
100KΩ ±1%
R16
100KΩ ±1%
R13
33.0KΩ± 1%
R12
4.7KΩ ±5%
C4
0.1uF/630V±5%
C5
0.1uF/630V±5%
D4
1A/400V US1G
D28
1A/400V US1G
C10
0.01uF/100V
T3
EE42/20
JP5
5mm
D10
ES3D
D9
ES3D
D8
ES3D
C50
820uF/35V
C49
820uF/35V
C47
820uF/35V
C131
1.0uF/16V
C134
1.0uF/16V
C129
1.0uF/16V
D11
BYW51FP-200
D13
BYW51FP-200
D12
BYW51FP-200
C53
220uF/200V
C54
220uF/200V
C51
220uF/200V
C52
220uF/200V
VCC3
VEE3
U11
L4941BDT
Vin
GND
Vout
C130
1.0uF/16V
C84
47uF/16V
+5V
C85
47uF/16V
U13B
L7812CV
C132
1.0uF/16V
C90
1.0uF/16V
+12V
U14B
NJM7912FA
C133
1.0uF/16V
C91
1.0uF/16V
-12V
R53
100KΩ ±1%
CN15
2*5P 43045-1012
R54
100KΩ ±1%
CN13
16P 2.54mm180°
U12
M24C16WMN6TP
SDA
SCL
WC(N)
VCC
VSS
E2
E1
E0
+5V
CN9
72P 1.27mm 180°
CN8
72P 1.27mm 180°
C12
0.0047uF/200V
C13
0.0047uF/200V
C15
0.0047uF/200V
R43
10K±5%
Q3熱保護
R44
10K±5%
Q5熱保護
HEAT
R88
100KΩ ±1%
R89
100KΩ ±1%
CN17
4P 2.54mm 180°
CN3
2P PH5.08mm
C14
0.022uF/100V
CN2
0.001uF/50V
CN4
CN5
CN6
CN7
CN8
CN9
CN10
CN11
CN12
CN14
CN16
CN18
R80
330Ω± 1%
R81
330Ω± 1%
R83
330Ω± 1%
R82
330Ω± 1%
C74
0.001uF/50V
C73
0.001uF/50V
C81
0.001uF/50V
C80
0.001uF/50V
C76
0.001uF/50V
C83
0.001uF/50V
C75
0.001uF/50V
C82
0.001uF/50V
C93
0.001uF/50V
C95
0.001uF/50V
C94
0.001uF/50V
C79
1.0uF/16V
C78
1.0uF/16V
R22
1.50Ω± 5%
R23
1.50Ω± 5%
+12V
-12V
5P PH5.08mm
4P PH5.08mm
CN7
2P PH5.08mm
C20
0.022uF/100V
R45
1.50Ω± 5%
CN10
3P 2.54mm 180°
Q7
BD237
C18
0.0047uF/200V
C19
0.0047uF/200V
C21
0.0047uF/200V



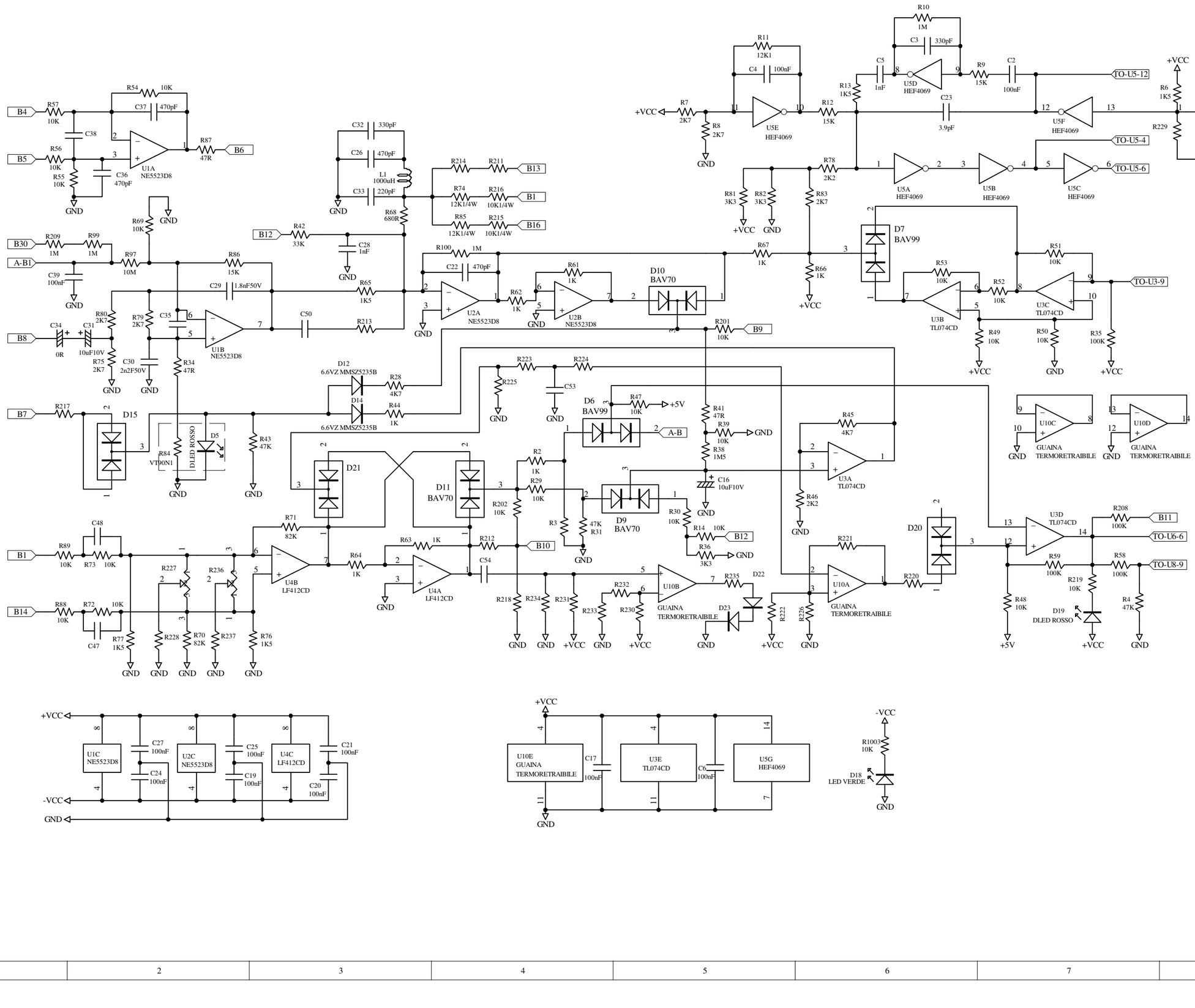


PSAMP1000CTRL1
PSAMP1000CTRL1.Sch

PSAMP1000CTRL2
PSAMP1000CTRL2.Sch



A32
A33
A5
A-B1
A29
A30
A36
A23
A25
A26
A27
A28
A31
A21
A36
A24
TO-U5-12
TR17-E
TR15-E
TO-U103-6
TO-U6-9
TO-U8-8
A-B
+VCC
-VCC
GND
+5V
U101A NE5523D8
U101B NE5523D8
U101C NE5523D8
U102A NE5523D8
U102B NE5523D8
U102C NE5523D8
U103A TL074CD
U103B TL074CD
U103C TL074CD
U103D TL074CD
U104A LF412CD
U104B LF412CD
U104C LF412CD
U105A HEF4069
U105B HEF4069
U105C HEF4069
U105D HEF4069
U105E HEF4069
U105F HEF4069
U110A GUAINA TERMORETRAIBILE
U110B GUAINA TERMORETRAIBILE
U110C GUAINA TERMORETRAIBILE
U110D GUAINA TERMORETRAIBILE
U110E GUAINA TERMORETRAIBILE
U103E TL074CD
U105G HEF4069
D105 DLED ROSSO
D119 DLED ROSSO
D16 LED VERDE
D17 LED VERDE
D106 BAV99
D107 BAV99
D109 BAV70
D110 BAV77
D111 BAV70
D112 6.6VZ.MMSZ5235B
D114 6.6VZ.MMSZ5235B
D115
D120
D121
D122
D123
R154 10K
R156 10K
R157 10K
R155 10K
R187 47R
R169
R210 1M
R98 1M
R96 10M
R186 15K
R180 2K7
R175 2K7
R179 2K7
R134 47R
R317
R184 VT90N1
R143 47K
R128 4K7
R144 1K
R323
R324
R325
R147 10K
R141 47R
R139 10K
R138 1M5
R102 1K
R129 10K
R103
R131 47K
R302 10K
R163 1K
R312
R164 1K
R171 82K
R189 10K
R173 10K
R188 10K
R172 10K
R336
R327
R177 1K5
R337
R170 82K
R328
R176 1K5
R142 33K
R165 1K5
R313
R200 1M
R122 470pF
R161 1K
R162 1K
R301 10K
R167 1K
R166 1K
R318
R334
R331
R333
R330
R332
R335
R322
R326
R321
R320
R145 4K7
R146 2K2
R114 10K
R130 10K
R136 3K3
R111 12K1
R104 100nF
R107 2K7
R108 2K7
R110 1M
R103 330pF
R105 1nF
R113 1K5
R112 15K
R123 3.9pF
R109 15K
R102 100nF
R178 2K2
R181 3K3
R182 3K3
R183 2K7
R151 10K
R153 10K
R152 10K
R149 10K
R150 10K
R135 100K
R110A
R110B
R308 100K
R159 100K
R158 100K
R319 10K
R148 10K
R104 47K
R132 330pF
R126 470pF
R133 220pF
L101 1000uH
R168 680R
R185 12K1/4W
R315 10K1/4W
R174 12K1/4W
R316 10K1/4W
R314 12K1/4W
R311 10K1/4W
C138
C137 470pF
C136 470pF
C134 0R
C131 10uF10V
R175 2K7
C135
C130 2n2F50V
C129 1.8nF50V
C128 1nF
C150
C122 470pF
C153
C154
C148
C147
C127 100nF
C124 100nF
C125 100nF
C119 100nF
C121 100nF
C120 100nF
C117 100nF
C106 100nF
C116 10uF10V
R1001 10K
R1002 4K7


B4
B5
B6
B30
A-B1
B8
B7
B1
B14
B12
B13
B1
B16
B9
B10
B11
A-B
B12
TO-U5-12
TO-U5-4
TO-U5-6
TO-U3-9
TO-U6-6
TO-U8-9
TR50-B
+VCC
GND
-VCC
+5V
U1A NE5523D8
U1B NE5523D8
U1C NE5523D8
U2A NE5523D8
U2B NE5523D8
U2C NE5523D8
U3A TL074CD
U3B TL074CD
U3C TL074CD
U3D TL074CD
U4A LF412CD
U4B LF412CD
U4C LF412CD
U5A HEF4069
U5B HEF4069
U5C HEF4069
U5D HEF4069
U5E HEF4069
U5F HEF4069
U5G HEF4069
U10A GUAINA TERMORETRAIBILE
U10B GUAINA TERMORETRAIBILE
U10C GUAINA TERMORETRAIBILE
U10D GUAINA TERMORETRAIBILE
U10E GUAINA TERMORETRAIBILE
D1 LED ROSSO
D18 LED VERDE
D19 DLED ROSSO
D6 BAV99
D7 BAV99
D9 BAV70
D10 BAV70
D11 BAV70
D12 6.6VZ MMSZ5235B
D14 6.6VZ MMSZ5235B
Q2 BC817
VT90N1